

**In the Specification**

Please amend the paragraph beginning on page 19, at line 11, as follows.

Above the stage 59 is light source 74 to provide direct lighting of the gemstone 7 useful in observing its top portion. Light source 74 can be any dimmable diffused light. In the preferred embodiment a halogen or LED light source 74 is utilized. Light 74 is used in clarity analysis, surface defect detection, culet analysis, color analysis of dark stones and pearls and lustre in pearls. Above the light 74 is another filter assembly 23 that can hold a diffuser and one or more filters for blocking light of a preselected frequency. Above the filter assembly 23 is a light source 71 used to profile the girdle, match and calculate the perimeter of the gemstone 7, measure the total surface area, and is used in clarity analysis. Right above the halogen light 71 is a canopy (~~not shown~~) 67 that lets warm air out without letting outside light to penetrate the inside of the apparatus 5.